Prom. D. 5431 to D. 5431 Trom H-4930

SOUNDING WIRE.	FMS.	DREDGING CABL		E.	
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	4700				
	4800				

Dredge No. 5451 Date, April 9 , 1909
Sag. Mch. January Reel 177 Short 35 lbs.
Turns 6 Cor'n Depth 5 fms.
Sag. Oup Throng Amt. Bot'm Sample and transport
Character of Bottom And
Thermom. { Make Cor'n { Instr.
No. Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. S3 Time 2507 dir
Temp. Surf. 83 Time 3 30 P Air 84
Density: Surffms.
Wind: Direction North Force 1- V
Baromet. 29 8 d Amt. of State of & Sea
Weather Long
Surface
Direction and Force Surface Of Current. Bottom
Tide
The second of th
General Locality Charle Grant Alexand
Oalaganem & (M. 8768, boundagood Orl)
Position 10-38-451-130-12 45 6
Chart used: No. 4717 Bd'n
Drift: Direction & 46 M Distance Q. 8
Depth of Haul bottom
Apparatus and Rigused 6' Me Commick tal and

Time towing h. 20 m.
Remarks:
10/10/10/10/10/10/10/10/10/10/10/10/10/1
Deck Officer Mistogard Recorder Robert 11-1025

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Dredge No. 54 3 Date, Apt. 8 ,190 9
Sag. Mch. June Reel J M Shot 25 Us.
Turns O Cor'n Depth 5 fms.
Sag. Cup arming Amt. Bot'm Sample smiltrass
Character of Bottom
(Make 2) (Instr.
Thermon. No. Cor'n Stem.
Bottom Reading Cor'd Temp.
Q2 313. D 11
Temp. Surf. Time Adir
Density: Surffms.
Wind: Direction Manager Force 0 - 1
Baromet, 39.84 Amt. of State of &
Weather boy.
*
Direction and Roses Surface
Direction and Force Surface of Ourrent. Bottom
Tide
General Locality Englower Polymon
General Locality County Control of Control o
Vesition (1-37-50N-120-12-00 %
./3.15
Chart used: No. 4.71.) Ed'n
Drift: Direction A 6844 Distance 1.3
Depth of Haul bollow
Apparatus and Rigused as Suforte
·····
Time towing h. 22 m.
Remarks:

Deck Officer MM Horfand Recorder Roberts 11-1023

Hydrog. No.	Date,	J781.	0	1909
Sag. Mch. IN	Reel	Strik"	Shot	25 1bs.
Turns Cor	'n	Depth _	5	fms.
Sdg. Cup asmin	Amt. B	ot'm mple	unity.	forf
Character of Bottom An M	co S		0	
~				
Thermom. $\begin{cases} Make \\ No. \end{cases}$	Cor	$r'n \begin{cases} Instr \\ Stein \end{cases}$		*************
Bottom Reading		Cor'd T	emp	
Temp. Surf. 830	Time 4:1	(6/2)	Air -	830
(-6-	Time Time	1875.	1	8-2
Density: Surf.	7		ms.	
Wind: Direction	alm	Force		
Baromet. 29 83	Amt. of Clouds	Ste	ate of Sea	. S
Weather	002			
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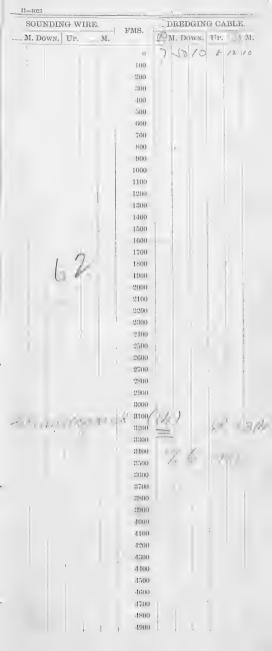
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Boti	tom	******		
Tide	***************			
General Locality	est last n			
Danlauganen J	Or Nost	0.10.10.10		11 Pacs
Position 10-37-34	N-120-	11-03	5 E	a-ghadashishas
Chart used: No. 471	7 Ed'n			
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Drift: Direction A	2 7	Dista	ncef-A	per to the first to the first per
Depth of Haul	o ourre			
Apparatus and Rig used	195 00	horan.		
	Tima	towing	h	20 m.
	Lumb	toweng		
Remarks:				**********
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				7.7
Deck Officer Mr. The	Lange Rec	order	171	11-1023

Dredge No. 5434	L Date, 957 8, 09,19
Sdg. Mch.	Reel - Shot - lbs.
Turns Cor's	n Depth fps.
Sdg. Cup	Amt. Bot'm Sample
Character of Bottom	1
Thermom.	Cor'n {Instr
(No	Stem.
Bottom Reading	Cor'd Temp.
(830)	T
Temp. Surf. 830	Time (:10 5.) Air 830
(00)	Time): 5/5) / 85
Density: Surf.	fms
Wind: Direction	NE Force
Baromet. 29.87	Amt. of 2 State of S
	Herr place
Weather	new p
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Direction and Worse Surfa	ice
Direction and Force of Current.	m - 1 - 1
Tide	X
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General Locality	1X
1.136	
Position	
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Chart used: No.	Ed vi
Drift: Direction	Distance
Depth of Haut 5	entrace \
Apparatus and Rig used	t-14 day 1 n.t
appearance underly used	The charter are
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1 /	Time towing \ _ h. 20 m.
Remarks: No Son	hading taken
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70	7
Deck Officer to Tohn	Som Recorder ATTATEIT-

SOUNDING WIR		FMS.		REDGIN		
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Dredge Swo. 1/ 4 Date, 1,19	
Sdg. Mch. Reel - Shott Leads 11	lis
Turns Cor'n Depth fm	ıs
Sag. Cup Amt. Bot'm Sample	
Character of Bottom	
(Make - (Instr	
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Bottom Reading Cor'd Temp.	
Temp. Surf. \ \ \text{E30} \ \ \text{Time} \ \ \text{Time} \ \ \ \text{Time} \ \text{Time} \ \ \ \text{Time} \ T	
Density: Surf fms.	
Wind: Direction A: _ Force	
Baromet. 24 . Amt. of State of Sea	
Weather	
Direction and Force Surface	
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Tide	
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General Locality	
W. Co.	
Position .	
Chart used: No. 1 Ed'n -	
Drift: Direction 44 Distance .	
Depth of Haul	
Apparatus and Rigused	
J. f. Mustine line	
Time towing - h. 20 n	n.
Remarks:	

Deck Officer .



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Hydrog. No. 3:1. Dat	e, Clip		, 19
Sdg. Mch. : 1	leel ·	Shot Lead	7bs
Turns Cor'n	Dep	th.	fms
Sdg, Cup	Amt. Bot'm Sample		
Character of Bottom			v = 40
Thermom.	Cor'n Inst		
	(Ster		
Bottom Reading	Cor	d Temp.	7 8 11 60 4
Temp. Surf. Fime	7	$\left. \left. \right. \right\} = \left. \left. \left. \right\} \right. \left. \left. \left. \right \right. \right. \right. \right. \left. \left. \left. \left. \right \right. \right. \right. \right. \left. \left. \left. \left \left. \right \right \right. \right. \right. \left. \left \left. \left $	
Density: Surf.		fms.	
Wind: Direction Carrous	Force .	0-1	
Baromet. 29167 Amt. of Clouds	2	State of J	
Weather See	************		-
Direction and Force Surface of Current.			
Tide			
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General Locality	. / . / /	D =1	
Cuy H. K. 61 & Busuca	J. (DW)	D. 30 W.	
Position 10 - Ser et	72		
Chart used: No. 4717	Ed'n The	6-03	
Drift: Direction V	Di	slance ()	
Depth of Haul - ded			
Apparatus and Rig used 3- 1.			
	m:t	7	
************	Time towing .		m.
Remarks;			

Deck Officer / 1. Recon

11- 1023

		(
Dredge No. 5436 Da	to, 110	1,	, 19.
Sdg. Mch.	Reel	Shot \ Leads	7bs.
Turns Cor'n	Dej	oth	fms.
Sag. Cup Character of Bottom	Amt. Bot'm Sample		p to do should all be not by an as as
Thermom. $\begin{cases} Make \\ No. \end{cases}$	Cor'n Ins		
Bottom Reading	. Cor	'd Temp.	
Temp. Surf. Time			()
Density: Surf.		fms.	
Wind: Direction & & W	Force.		
Baromet. 54 1 Ant. of Clouds	9	State of Sea	8
Weather ACUM			
Direction and Force Surface of Current.			
Tide			
General Locality			
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Position 1 37 -	9	1	
Chart used: No.	Ed'n		
Drift: Direction 115 5 5	D	istance	J
Depth of Haul Intermed	rate o	usa.	
Apparatus and Rigused / . '	J. 1		1
	Time towing	n. 1	m.
Remarks:			
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Deck Officer

SOUNDING WIRE.	222.50	DREDGING CABLE.
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Dredge No. 2 1	Date,	5	, 19
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Turns Cor'n	De_{i}		ſms.
Sdg. Cup	Amt. Bot'm Sample		,
Character of Bottom	in i		
(Make	· ·	str	
Thermom.	Cor'n Sie		
Bottom Reading	Cor	'd Temp.	
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Density: Surf.		fms.	
Wind: Direction L'al.			
Baromet 1.85	Amt. of Clouds	State of Sea.	
Weather			
Direction and Force $\begin{cases} Surfa \\ of Current. \end{cases}$			
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Tide			
General Locality			į-

Position .		<i>I</i> -,	
Chart used: No. 4/2-1	O Hd'n		
Drift: Direction	1	Distance .	
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Apparatus and Rig used .			
ato Ampana	chitaling	11. 4.11.	
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Remarks:	and the same of th		
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Dredge No. ? Date.	, 19-
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Turns . Cor'n	Depth fms.
Sag. Cup	mt, Bot'm Sample
Thermon. Make	Cor'n $\begin{cases} Instr. \\ Stem. \end{cases}$
Bollom Reading	Cor'd Temp.
Temp. Surf. Time.	11:000 Air 6/0
Density: Surf.	fms,
Wind: Direction ACC 110 1144	Force
Baromet. 4 7 (Amt. of Clouds	State of Sea
Weather	
Direction and Force Surface of Current.	
Tide	
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General Locality	
Production (100 Production	is a family
Chart used: No	Ed'n
Drift: Direction	Distance
Depth of Haut 450 fam.	* 1
Apparatus and Rigused	
	Time towing h. ? ? m.
Remarks:	
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Deck Officer Day Saintes A Recorder 11-1021

SOUNDING WIRE.	DREDGING	
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Sag. Meh. Lette 4	Reel	Shot this.
Turns Cor'n	Amt. Bot'm Sample	
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Character of And And		
Thermon. Make 108015	Cor'n {Instr	
Bottom Reading 47°	Cor'd	Temp. 46, 2
Temp. Surf. Tim	e # = }	dir i y
Density: Surf.	\$1 M 45 M 48 M 48 M 18 M 18 M 18 M 18 M 18 M 18	fms,
Wind: Direction Casses	Force	
Baromet, 2:	£ 1.	State of Sea
Weather Le		
Direction and Force Surface of Gurrent.		
Tide		
*# 1 5 November 19 (1990)		
General Locality		
Cambobo At NIV		
Position 1 -42	. 11:11 - W.	
Chart used: No. 4210	. Ed'n	
Drift: Direction 55 1	Dis	tance 1. 2 Wes
Depth of Haut Lottone	######################################	
Apparatus and Ris used 12		2000
La Adol English	4. 1.	Will Comment
× .		
	Time towing	h m .
Remarks:		

Deck Officer

SOUNDING WIRE.	FMS.	DREDGING CABLE	
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Dredge No.		Date,		,	19
Sdø, Meh.		Revl	Si	hot t	lbs.
Turns .	Cor'n		Depth		fms.
Sag, Cup	Sheeter	Amt. Bo	t'm	. 02.	
Character of Bottom	gre 11				
Thermom.	1.000	Cor'	$n \begin{cases} Instr. \end{cases}$		- dest
Bottom Readin			. Cor'd Ten	np. 36	
Temp. Surf.	87.	Time /0:	07.1	tir { \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Density: Surf			fm	8.	
Wind: Direct			L. 01 CD	5-1	50: 110: 500 pp. da 600 att a
Baromet. 24.		nt, of ouds	Stat Se	re of .	Sec. 1
Weather	be	and the state and the state with the state and the state of the state and the state of the state and the state of the stat	and the set of the set		
Direction and of Current	Force Surface Bottom				
Tide .					
General Locali			= = = = = = = = = = = = = = = = = = = =		
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Position / -	Ta-co	- /':	33-2	2 ,= .	
Chart used: J	No. 42/2	Ed'n .	,		***
Drift: Directi	on	2	Distan	re Di-	9.
Depth of Hau	t '	-			
.1pparatus and	l Rigused				
		Time to	owing	h.	m.
Remarks: .	· .,	- 77	- 1		,
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Dredge 1 No. 3 Date, 77 12 ,196
Sd.g. Meh. Shot Red Shot Vi Ubs.
Turns / 7 Cor'n " Drpth / fms.
Sd & Cup Sample Sample
Character of Bottom
(Make (Instr
Thermom. $\left. \left\{ \begin{array}{c} \mathcal{U} & \textit{Cor'n} \\ \textit{Stem.} \end{array} \right. \right.$
Bottom Reading 2 Cor'd Temp.
(673 Time / 46) (66/2°
Temp. Surf.
Density: Surffms,
Wind: Direction Lationas Force 8 - April of 9 State of
Buromet. Z. Z. Clouds / Sea
Weather Ster
18.4
Surface .
Direction and Force of Current.
Tide
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General Locality Very Michiel
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Position 12 the total 1/2 the transfer
Position / 1/209 Rd'n
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Ohart used: No. 4209. Rd'n Distance Depth of Haul Lottone.
Ohart used: No. 4209 Bd'n
Ohart used: No. 4209. Rd'n Distance Depth of Haul Lottone.
Ohart used: No. 4209. Rd'n Distance Depth of Haul Lottone.
Chart used: No. 4209. Rd'n Distance Depth of Hart Lockows. Apparatus and Ris used 12.
Ohart used: No. 4209. Rd'n Distance Depth of Haul Local Const. Apparatus and his used 1.2- Time towing h. 20 m.
Chart used: No. 4209. Rd'n Distance Depth of Hart Lockows. Apparatus and Ris used 12.
Ohart used: No. 4209. Rd'n Distance Depth of Haul Local Const. Apparatus and his used 1.2- Time towing h. 20 m.
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Ohart used: No. 4209. Rd'n Distance Depth of Haul Local Const. Apparatus and his used 1.2- Time towing h. 20 m.
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Ohart used: No. 4209. Rd'n Distance Depth of Haul Local Const. Apparatus and his used 1.2- Time towing h. 20 m.
Ohart used: No. 4209. Rd'n Distance Depth of Haul Local Const. Apparatus and his used 1.2- Time towing h. 20 m.

Deck Officer

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11 - ing3

SOUNDING WIRE.		DREDGING CABLE.
M. Down. Up. A.M.	°MS.	M. Down, Up. AM
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bredge No. 5-1/: Dat	r, , 10.0, 19.0
	Reel Li Shot Jours 1bs.
Turns 1 & 6 Cor'n Sd.c. Cup . Character of Bottom	Depth 156 fms. Amt. Bot'm Sample
Thermom.	Cor'n { Instr. —, Stem
Bottom Reading 3.35	Cor'd Temp.
Temp. Surf. Time	
Density: Surf.	fms.
Wind: Direction ? ,	Forer =
Baromet, Amt. of Clouds	E State of Sea
Weather Thes.	
Direction and Force Surface of Current.	-
(Bottom	
Tide	
General Locality	
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Position	·
Chart used: No. 4 2-2	$Ed^{\prime}n$
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	Time towing h. m.
Remarks :	

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Dredge No. D	ale,		,1966
Sdg, Mch.	Reel	Shot (lbs.
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Sde. Cup Character of Bottom	Amt. Bot'm Sample		
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Bottom Reading	Cor	d Temp.	
Temp. Surf. Tin	/	} .dir	
Density: Surf.		fms,	
Wind: Direction.	Force	5-1	
Baromet. 2.7.8 _ Amt.		State of Sea	
Weather 12469			
Direction and Force Surface of Current.			
Tide			
A ANNA III A MARKATAN TANA			
General Locality			
Position .			
Chart used: No. 47.09	Ed'n .		
Drift: Direction		stance. 151.5	
Depth of Haul			
Apparatus and Rig usedJ.Z.S.	u-cyric		
	Time towing	/: h.	m.
Remarks:			,,,

Deck Officer 200 . A Plane Recorder

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	Bredge No. 571/2 Date, The 2 ,19 6
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	Chart used : No. But But But 17
	Drift: Direction Distance
	Depth of Haul Bollon
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	Time towing h. 205 m.
	Remarks: Trong for dilly of the Comment
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Bredge No 166 Date, The 190
Sale. Meh. Sale Reel . Shott & This.
Turns 308 Cor'n Depth 308 fms.
Sag. Cup Signature Ant. Bot'm Sample
Character of Bottom 923- IV
Thermon. Make I Cor'n Instr.
Thermom. {Make / 1 Cor'n Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Density: Surf. Wind: Direction Force 3
Baromet. 27 & Annt. of State of G.
Weather 5-c2
(Surface -
Direction and Force Surface of Current.
Tide
General Locality AS before
The state of the s
Position
Chart used: No. Ed'n
Drift: Direction Distance
Depth of Haut Bolton
Apparatus and Rigused As before
Time towing h. 20 m.
Remarks: Training in a seg.
Deck Officer 7 1. 01 . Recorder FAIRI -
11—1023

Date. Tun. Bredge No. The Reel . Shott ? C Sds. Meh. C. 11. 5 Depth 383 fms. Amt. Bot'm Sample Salg. Cup 108015 Bottom Reading } .tir Time Density: Surf. Wind: Direction .. Force Weather Surface Direction and Force of Current. Bottom Tide 15- -11 General Locality 5415 200 Chart used : No. .. Drift: Direction Depth of Haul Potton Apparatus and Ris used To hefore h. 32 m Time towing ... Remarks: Deck Officer P. E.

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11-1023		
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Bredge No. 5 1 tt h Date, 1841
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Turns Oct Depth Och fm.
Sag. Cup Amt. Bot'm Sample
Character of God all.
Thermon. $\begin{cases} Make \\ No. \end{cases}$ - $Cor'n \begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading Cor'd Temp,
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Weather A. C. 771

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Position 12 1/1 14 14 19 19
Thart used : No. 1 de f Edin
Drift: Direction 5 12 E Distance 1.6
Depth of Haul
Apparatus and Rigused It to Loke
Time towing h. " ! m.
temarks: Lavier There works
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SOUNDING WIRE.	DREDGING CABLE.
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Baromet	State of Sea	
Weather		
Direction and Force Surface		
Direction and Force Surface of Ourrent.		
Tide .		
General Locality Land	11111 - 12	/
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Position	122 44 "	
Chart used : No	, Ed'n	
Drift: Direction R 64 6	Distance /	
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Apparatus and Rig used 12'		
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11-1023	
SOUNDING WIRE.	DREDGING CABLE.
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Bredge No. 100 Date, 19.
Sag. Meh. Reel Shot Lead 1b.
Turns Depth 4 fm
Sag. Cup Amt. Bot'm lay Chart.
Character of Bottom
(Make (Instr.
Thermom. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottom Reading Cor'd Temp,
Time C: 1860
Temp. Surf. Fine O. Air 860
Density: Surf fms.
Wind: Direction Grand Force
Baromet. 20 C! Amt. of Sea State of Sea
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Tide
Marie and Administration of Contract of National States of Contract of Contrac
General Locality
Circulation of the contraction o
Position 1: 10 10 10 10 10 11 11 11 11
Chart used: No. 42 37 Edn (1, 5.1
Drift: Direction Distance
Depth of Haul Bolm
Apparatus and Rigused
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Time towing h. m
Remarks: To Someting to Ken.

Recorder . .

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Deck Officer

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Hydrog. No.	Date,		, 19
Sd.g. Meh.	Reel	Shott Leads	lbs.
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Direction and Force Surface of Current.			
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General Locality Langua	oy Gulf	Last Lun.	S:
Position 2 712 5	141000	·= "="	
Chart used: No. 4771	Ed'n		
Drift: Direction //.		Distance /	. 11
Depth of Haul 1			
Apparatus and Rig used	7-9-4-07	2	
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Remarks:	1 2	autor !	

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Character of Bottom				وحس	
Thermom. $\left\{ egin{aligned} Make \\ No. \end{aligned} \right.$		Cortn	$\left\{ egin{aligned} Instr. \ Stem. \end{aligned} ight.$	-, /	
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Density: Surf.	-			fms,	
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Weather & O O	1				
Direction and Force Surface of Current.					
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General Locality		: ,		110	2 4
Position / " " "	10, 4	. 0'	no I		
Chart used: No. 1/22!	mi who doe doe doe got go my	$\mathbb{R}d$ ' n			
Drift: Direction.			Dista	iner /	
Depth of Haut (Sec. 2)					
Apparatus and Rig used	65.7				
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	ing the sky left are the more to	Time tou	ving	h	25 m.
Remarks;					

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SOUNDING WIRE.	DREDGING CABLE.
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Bredge No.	. Date,		-	, 19
Sdg. Mch.		7	$\{Shot\}_{Lead}\}$	Tbs.
Turns	Cor'n	Depth	Ley chart	fms.
Sdø, Cup	An	nt. Bot'm Sample	my many	
Character of Boltom				
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Baromet. 2.1 8	Amt. of Clouds	₫ S	State of Sea	?
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Tide.		-		
General Locality				
	· 4	420	*	
Position ,	. 2-			
Chart used: No	4221 I	d'n		
Drift: Direction	9616	Dist	ance /	
Depth of Haut?	180.			
Apparatus and Rig	used _ / O'	Inter	Louble C	
***************	Ti	ime towing	h. 2	/m.
Remarks: 16	Soundary.	Maps and garder are the first an are also for an account.		
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				V	
Dredge No	72/11	Date,	· 1/2 4	- 7	, 19 04
Sdg. Mch.	Charles of the special bits and the special sp	Reel	~~~~~~	Shot \ Lead}	7bs.
Turns	Cor'n		Depth	110	fms.
Sdg. Cup		Amt. I	Bot'm Emple		
Character of Bottom					
(Ma)	l. a		(Instr.		
Thermom. $\begin{cases} Ma \\ No. \end{cases}$		(m)	$r'n$ $\begin{cases} Instr. \\ Stem. \end{cases}$		
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Baromet. 24	2.89 81	nt. of ouds	St	ate of Sea	
Weather					
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General Locality		· 4 2	710		/ .· .
Chart used: No	o. Hr 21	Ed'n			
Drift: Direction	n	<i>'</i>	Dista	nee /	
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Deck Officer. ,	1	· \ . Reve	rder	111	-1023

SOUNDING WIRE.		DREDGING CABLE.
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Dredge No. Date, 19 . Sdg. Mch Reel Ibs. Turns Depth Amt. Bot'm Sample Sdg. Cup Character of Bottom (Make Bottom Reading Gor'd Temp Density: Surf. Wind: Direction Weather .. Direction and Force of Current. Bottom Tide Depth of Haul Apparatus and Rig used Time towing Remarks:

Deck Officer

Recorder_ Jove 11-1023

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Bredge No. OHd	Dat Dat	e, 150 e 11	(e ',	, 19
Sdg. Mch.		eet	Shot	
Turns	or'n		epth	TE fms.
Sdg. Cup		Amt, Bot'm Sample		
Character of Bottom	÷			
(Make	The same	(In	istr.	
Thermom.	1	Cor'n }	em.	
Bottom Reading		1	r'd Temp.	
1 86°	<i>m</i> :	10.451	I. Temp.	86
Temp. Surf.	Time	11 6.	Air	86
Desire Co. A	Time		, .	
Density: Surf.		* * * * * * * * * * * * * * * * * * * *	fms,	
Wind: Direction	Amt. of	Fore.	e state of	
Baromet.	Amt. of Clouds	1.	Sea	` .
Weather 2. C.				
of Current	rface		and part part had not part had not part and not be seen and no	***********
Tide				
General Locality	; ,	,		
the source of th			, , ,	
··· / · · / 2	1/	1	1657	
Position 2	2 1	1 30	30 -	
Chart used: No	7	Ed'n		
Drift: Direction	, / _m ,	i	Distance /	
Depth of Haul,		· /		
Apparatus and Rig used	CW.T	REEK.		
111		Time towin;	¢	h. 71 m.
Remarks:				

SOUNDING WIRE. DREDGING CABLE. FMS. A. M. DOWN. M. Down, UP. __ M. UP. A. M. () 0 400

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Dredge No. Day	te, X		. 7	, 19 .
Sag. Meh.	Reel.		Shot! Leads,	11/18.
Turns Cor'n	Amt. Bot's	Depth m	(Chast)	fms,
Sdg. Cup Character of	Samp	le		
Character of Bottom.				
Thermom. Make	Cor'n.	Instr.		
Bottom Reading		Con'd	l'emp.	٠. ا
Temp. Surf. Time	12 12	}	$\mathcal{A}ir$	
Density: Surf.		,	rms.	
Wind: Direction.	Pa	ree		
Baromet. Amt. of Clouds	11	S	tate of Z	
Weather				

Direction and Force Surface				
Direction and Force Bottom				
Tide				
no semantal		-		
General Locality			m l	
" / / /y man (6) y	61.	· · · .	OF U	
ECONDI VI. 0 100115			-	
Position		′ ~		
Chart used: No. 4:22	Ed'n			And the time the life part belower
Drift: Direction	/-	Dista	ince /·/	
Depth of Haul				
Apparatus and Rigused . Co	STATE	C		***********
	Time tow	ing	h.	m.
Remarks: \$ 10 52011-14				
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11-1023		
SOUNDING WIRE.	1	DREDGING CABLE.
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Bredge No. /	Date, .		7	, 19
Sdg, Meh.	Rect	SI Le	ad}	Ths
Turns Cor'n		Depth	142	fms
Sdg. Cup Character of Bottom	Amt. I	Bot'm mple		
Thermom. $Make$ $No.$	Co	$r'n \begin{cases} Instr. \\ Stem. \end{cases}$		
Bottom Reading		Cor'd Ten	ip.	
Temp. Surf.	Time Like	3° }	ir 890	ný niệ vào dan con, pay gọi nao
Density: Surf.		/m:	s.	
Wind: Direction East		Force /		
Baromet.	dmt.of Flouds	State	of L	
Weather La				
Direction and Force of Current, Botton	oe u			
Tide				
vol a rac				
General Locality		of China	- / /	
21 de 1 2 m		2 : 1.11		
Position 13° 1 1' 10" N	123	-1 3-2 8	?	
Chart used: No. 4221				~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Drift: Direction 21. 8:		Distanc	. / . 5	,
Depth of Haul		221,011211		
Apparatus and Rigused /				
Topper and the test				
	Time	towing	h.	. 111,
Remarks:				

Recorder.

11-1023

Deck Officer

11-1023		
SOUNDING WIRE.	TOME	DREDGING CABLE.
M. Down. Up. M.	FMS.	ZM. DOWN. UPM.
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Dredge No. 577	Date, San	tine 1	8 %	_,190
Sdg, Meh,	Reel		Shot \ Leads	lbs
Turns Cor'n		Depth_	1.	6 fms
Sdg. Cup	Amt. Ba	ot'm nple	,	1
Character of 6.7 C	يدآب ڪآخر	,		
Thermon. $\left\{ \begin{matrix} Make \\ No. \end{matrix} \right.$	Cor	$n \begin{cases} Instr. \\ Stem. \end{cases}$		
Bottom Reading		Cor'd T	emp.	
Temp. Surf.	Time O: 4		.tir	
Density: Surf.		/'	ms.	
Wind: Direction		Force		
Baromet. 20. 21	Amt. of Clouds	7 Sty	ite of Sea	.17
Weather	4			
Direction and Force Surface of Current.	or n			
Tide				
Mind Area				
General Locality	. Car. 3	7 . "	ج . د . ر	= 5.4
	0:17		,0:	
Position 12:12 Cil	- 153	60.4	5″.E	
Chart used: No. 422	Lan. Ed'n.	pros-		
Drift: Direction	·	Distar	ner (÷ :=,
Depth of Haul 0	Hon			
Apparatus and Rig used				
Cogiass - water;	> Tring			
,				
- James /	mile	owing		J.J. m.
Remarks:	newson			
	. ~			

11-0	. ()	/	0	
Hydron J. Vo 1 4 8	Date, Jo	m'c	8	, 19
Sdg, Mch	Rerl	- S L	hot \ rad\$	lbs.
Turns Cor'n		Depth 7	2-0.0 hi	fms.
Sdø. Cup Z .	Amt. Bo	t'm iple	-111	
Character of Bottom				
Maker	over we	(Instr		
Thermom.	Cor'	n ${Stem.}$		
Bottom Reading	100	Cor'd Tr	np.	
Temp. Surf. {	Time 7:40	and the same of th	tir 8	0
Density: Surf.		fm	S.	-
Wind: Direction	·,	Force	· /-	
Baromet.	Imt. of 9	Star Star	te of	
Weather				
Direction and Force Surface of Current.	<i>r</i> .			
Tide				

General Locality			1	
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Position /	, , ,			
Chart used : No. 1 V	Ed'n		,	
Drift: Direction	6 1	Distan	<i>"</i> "	
Depth of Haut / DA	Vican.	-11	A	
Apparatus and Rig used Co	total 2	50 10	tr. ::::::X	to the de-ten to our on our
/ ,				
	Time to	mind	1. V	3
	1.			× 111.
Remar!	Little Rosel	· 9/		

SOUNDING WII	EE.	DREDGING CABLE.
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	-1	300
		100
		500
		500
	-1	200
		800
		900

time to the second	7 .	V	
Hydrog L.Vo.	Date, Esta	1.3	, 19
Sdg. Mch.	Reft	Shot \ Lead \	lhs.
Turns Cor'n		epth 200 (Chark)	fms.
Sdg, Cup	$Amt.\ Bot'm$ $Sample$	(Charl)	
Character of Boltom			
(Make	(I.	nstr.	
Thermom	Cor'n	tem.	
	1		
Bottom Reading	1 19 1	gr'd Temp.	*****
Temp. Surf.	Time 4:06	Air 86	0
Density: Surf.	P - 44 (80 40 40 10 10 10 10 10 10 10 10 10 10 10 10 10	fms,	
Wind: Direction 6	Z. Y. Fore	;e	
Baromet. 3, A	mt. of 9	State of	
Weather			
*			
Direction and Force Surface of Current.			
Tide			
General Locality .			
General Locality .	,		1
		, 4	
Position · 1 2/1.	123 39 34	,	
Chart used: No. 1. V.	Ed'n	•	
Drift: Direction	a,	Distance	
Depth of Haul Dol	Lose		
Apparatus and Ris used	19		
		` ,	/.
U	mttt		1/2 m.
77. X	Time towin	g annousanum Hok. V.	m.
Remarks:			
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Recorder

11 - 1023

Deck Officer

SOUNDING WIRE.	FMS.		DREDGIN	G C	
M. Down. Up M	Tano.	P	M. Down.	UP.	7 . M.
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t
Dredge \ No.s(-2) Date, Jan 2 / 19
Sdg, Meh
Turns Cor'n Depth . fms.
Sag. Cup Sagole Amt. Bot'm about 1/2 00
Character of Bottom 2245 Illi
(Make R. G. (Instr.
Thermom. No. 10 5 0 15 Cor'n Stem.
Boltom Reading Cor'd Temp.
Temp. Surf. Surf.
Time 9:40) (84
Density: Surf. fms.
Wind: Direction Ossassassassas Force
Baromet. 2.2. Amt. of / State of Sea
Weather

Surface
Direction and Force of Ourrent. Rottom
Tide
General Locality
e de la companya de
Position
Chart used: No. 42 22 - Ed'n
Drift: Direction 2.43 Qt. Distance 2.0 min.
Depth of Haut Cottons.
Apparatus and Rigused 12'
Time towing h. 14 m,
Remarks: 1600 m. Control Co.
Remarks ! Zoolo black to the Control of the Con

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Bredge No.	T	Date, * - *			195
Sdg. Mch.		Reel	Sh Lee	ot \	lbs
Turns	Cor'n		Depth	~~~~~~	fms.
Sd & Cup		Amt. Bot Sam	l'm ple		
Character of Bottom					
			(1		
Thermon. \ No.	,	Cor'r	$i\begin{cases} Instr. \end{cases}$		
			Stem.		
Bottom Reading			Cor'd Tem	p	
Temp. Surf.		ime WS s ime - ' ' -		r}	
Density: Surf.			fms		
Wind: Direction	n Jana	I.	orce	1	nor der der vil for der
Baromet.	Am.	t. of	State Sea	of .	
Weather ;	2				
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	Surface				
Direction and For Current,	orce Bottom				
Tide					
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	AMBIA 21.04				
General Locality	/	97.5			
		إرباك			
Position .					
Chart used: No	4223	Ed'n			
Drift: Direction		.,	Distance		
Depth of Haul.	13016	19th			
Apparatus and 1	Rigused 9	-/-	1443	77	,
	· '. : '. · .	No. 10			
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Remarks: C:	• 7		6°	1 1-1	
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~/	2				
West 16, 5.		(m. 5)			
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/),	94	(- 1/2	2.7.	-
Deck Officer		Recore	(48)		
The topperer		recorr)	11 -10	12.5

SOUNDING WIRE.	MS. DREDGING CABLE			
M. Down, Up M.	MS. CM. DOWN, UP.	GM. Down. Up. CM		
	0 707-51311			
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Turns . Cor'n	Depth /ms.
Sdg. Cup	Amt. Bot'm / Sample /
Character of F Bottom	
Thermon. {\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Cor'n Stem.
Bottom Reading -	Cor'd Temp. 4/1 3
Temp. Surf. Time	\ .dir\
Density: Surf.	fms.
Wind: Direction Various	
Baromet. 2-2.90 Amt. of Clouds	State of Sea
Weather .	
Direction and Force Surface of Current.	
Tide	
General Locality Ken	1. 42 E
Position 1 4: 42	1
Chart used: No. W = 2.	Ed'n
Drift: Direction	Distance /
Depth of Haul	
Apparatus and Rig used 25 6	Ryang themody 2
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	Time towing h. 15 m.
	Time (Million)
Remarks:	
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Dredge No. 27 Date	, · · · .		, 19
Sd.g. Meh	rel	Shot !	ths.
Turns Cor'n		th. 30	O fms.
Sdg. Cup	Amt. Bot'm Sample	Eng Chart	
Character of Bottom			
Make	- (Inst	tr	
Thermom. $\Big _{\mathcal{N}o}$.	Cor'n Stei	и.	
Bottom Reading	Car'	d Temp,	
Temp. Surf. 850 Time	10.452	} Air	340
Density: Surf.		fms	
Wind: Direction Parisble	Force .	0	
Baromet. Amt. of Clouds	Y	State of Sea	
Weather			
Direction and Force Surface of Current.			
Bottom			
nue			
1 Villa Mil del una commune prospera			
General Locality	.,		/
Position 7	13:	45	/
Chart used: No. 4222	Ed'n	Minute Company	
Drift: Direction	Di.	stance	7 D - 132
Depth of Haul Bottom	. 4		
Ipparatus and Rig used ,	86.5	7	
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75 (1 7.	Time towing .	7L.	
Remarks: 110 Sounding		and other poly with with poly pile and now seek your loss your	in an in

11-1023		
SOUNDING WIRE.	222411	DREDGING CABLE.
M. Down, Up M.	FMS.	Z.M. Down, Up. C.M.
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	Dredge No. Si . I De	ate, .	1.	, 19
	Sto. Mch.	Reel	Shot Lead	7bs
	Turns Cor'n		epth If & .	
	Sdg. Cup	Amt. Bot'm Sample	cha	, °
	Churacter of Bottom			
	(Make	(1)	ustr.	
	Thermom. $\Big _{\mathcal{N}_O}$.	('or'n	lein,	
	Bottom Reading	Ca	ustr. tems or'd Temp: .	
	(& Jo	1 1	- 1 L L	().
	Tomn Sunf	e 3.00 T	Air Air	100
	Density: Surf.	0		
	Wind: Direction ' = '	Fore	fms.	
	Baromet. Amt. o		State of	S
	Weather J. C.	S f	Sea	Same of the same o
	Weather			No. to the fact of the day become on a
	Direction and Force			
	Bottom			
	Tide			
	General Locality			
		2.5	· ·	Nº Zana
/	Position	57		
	Chart used: No. 4277	Ed'n		
	Drift: Direction	1	Distance O . "	
	Depth of Haul 120			
,	Apparatus and Rig used .		1,	
		Time towin-	, h.	C m.
	Remarks: ,			
	124			
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	Deck Officer & Ale INT			
1	Deck Officer L. M. L. L. L.	Recorder		

11—1023				
SOUNDING WIRE.	202.60	DREDGING CABLE.		
M. Down, Up M.	FMS.	P. M. Down, Up. M.		
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	200	4640 5245		
	300	5156 4025		
	400	5540 4620		
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Dredge No.4 1 . J	Date, Leure	. 17 ,1	90)
Sdg, Mch.	Reel	Shot Leads	lbs.
Turns Cor'n	Dep Amt. Bot'm Sample		fms.
Character of Bottom	g gy mi.	1 Tours	~/
Thermom. $\left\{ egin{array}{ll} Make \\ \mathcal{N}o. \end{array} \right.$	$Cor'n$ $\begin{cases} Ins. \\ Stein \end{cases}$		
Bottom Reading	Cor	d Temp.	
Temp. Surf. 840	Time 8: 10	.tir (2 ')	,
Density: Surf.		fms.	
Wind: Direction . Care			
Baromet. 2 9.24 An	nt. of ouds 8	State of Sea	
Weather St			
$\begin{array}{c} \textit{Direction and Force} \\ \textit{of Current.} \end{array} \begin{cases} \textit{Surface} \\ \textit{Bottom} \end{cases}$			
Tidr			
	71 man		
General Locality	·6 . 1.	: / li.,	: . ;
2. (. It.) 3. 6 % W.	1 -1 - 1 - 1 - 1		,
Position 15 1 4 "	". 1000 m	'39 Z.	
Chart used: No. 4222	2.S. Ed'n		
Drift: Direction Sug	OF. Dis	stance Le Carres	Ž.
Depth of Haul lotton	·		
Apparatus and Rig used 12.	ag. in	4. glass Il	ato
2 wing weep lit	A Zail	1	
1 . Si say.	,		
/	Time towing	11.2-0	m.
Remarks:			

Deck Officer

· · Recorder

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1-1023 SOUNDING WIRE.	1	DREDGING CABLE.
M. Down, Up M.	FMS.	M. Down, Up. CAM
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Chart used: No. 4 2 20 Ba'n
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Apparatus and Rigused De Tage L'
apparatus and my usea
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